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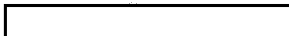
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MLT-2023-R-6205

11 October 1971

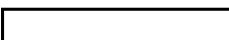

Officer-in-Charge
USA Communications Service Group
Post Office Box 72
NAS Moffett Field, California 94035

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Subject: 

Gentlemen:

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Pursuant to the subject contract items 3 and 4, 
 is pleased to submit Monthly Technical Progress Report
No. 5 and the accompanying Contract Status Report for the
period from 1 September through 30 September 1971. Also en-
closed is a copy of the Pre Design Review Briefing Package,
which was previously provided to the Contracting Officer's
Technical Representative.

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Should further information relative to these reports be required,
do not hesitate to contact  or the undersigned.

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Very truly yours,



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WG8:eh

Enclosures: as stated, one (1) copy each

Five (5) copies of Progress Report and two (2) copies of Status Report
furnished to:

Contracting Officer's Technical Representative

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Approved For Release 2005/02/17 : CIA-RDP78B05171A000400020032-6

MONTHLY TECHNICAL PROGRESS REPORT #4 - ATTACHMENT #1

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A control reference EJJ lamp was shipped to Washington for a spectral scan with the Gamma Scientific instrument to compare chromaticity values obtained by [] on a Beckman 1A Spectroradiometer and the NBS color computer program. Because the Gamma instrument was at the manufacturer for maintenance the test results are postponed.

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The ASR and widespan stereo adapters were set up with the HILS mock-up to evaluate evenness of illumination, field coverage, and filling of the numerical aperture. Results were good, but the .5x adapters are needed to check full field coverage of the 2-3/4" spot.

Technical progress in period included:

Package

The breadboard with new filter and ELH lamp has been assembled and best uniformity configuration established. Preliminary specifications have been prepared.

Motion system study continued to a point where the results of light pack delineation are awaited. Two approaches have been conceptualized and must be inter-related to the results of heat transfer tests before detailing.

Light Source

Spectroradiometric re-runs were made at Lighting Engineers in Anaheim using the EJJ and ELH and indicate that the filters bring the color temperature within specification and at a CRI in excess of 80.

One-half dozen EJJ lamps were tested for variation in color temperature using the same optimum filter combination. All fell in the 4500-5000°K bracket.

Heat radiation directly to the rear of the ELH lamp was measured for heat transfer solution.